

Approval For Examiner's Amendment.

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TO:	Examiner Akash Saxena	FROM:	Matthew W. Baca, Reg. No. 42,277
ORGANIZATION:	US Patent and Trademark Office	DATE:	August 17, 2005
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FAX NUMBER:	571-273-8351	APPLICATION SERIAL NO.:	09/997,768
ENCLOSED:	Examiner's Amendment	ATTORNEY DOCKET NO.:	AUS920010962US1

☒ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

Dear Examiner Saxena,

Having reviewed the attached Examiner's Amendment, which was faxed to Applicants on 17 Aug. 2005, Applicants hereby accept and request that Examiner enter said amendments.

Very Truly Yours,


Matthew W. Baca

CERTIFICATE OF FACSIMILE TRANSMISSION
37 C.F.R. § 1.8(a)

I hereby certify that this correspondence is being transmitted by facsimile on the below date to the U. S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: 17 Aug 2005 By: Matthew W. Baca

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Fax Cover Sheet

Date: 17 Aug 2005

To: Mr. Matt Baca	From: Akash Saxena
Application/Control Number: 09/997,768	Art Unit: 2128
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Re: Approval for examiner's amendment	CC:
<input type="checkbox"/> Urgent <input checked="" type="checkbox"/> For Review <input type="checkbox"/> For Comment <input type="checkbox"/> For Reply <input type="checkbox"/> Per Your Request	

Comments:

Hello Mr. Baca,
Please review & authorize the claims with examiner's amendment to the claim set faxed to USPTO on 12th August 2005. Thanks,
Akash Saxena
GAU 2128
571.272.8351

Number of pages 7 including this page

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Application/Control Number: 09/997,768
Art Unit: 2128

Page 3

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Matt Baca on 17th August 2005.

Regarding Claims 1-21

The claims 1-21 are amended as follows from the last amendment faxed in on 12th August 2005 and are final agreed (by Mr. Baca) version of the claims.

1. (Currently Amended) A computer implemented method for disabling monitoring of an instrumentation event in a hardware description language (HDL) model of a circuit design within a batch simulation farm, said batch simulation farm including an instrumentation server communicatively coupled to ~~[[the]]~~ a simulation client, said method comprising:
 - simulation testing the HDL model using a simulation client within said simulation batch farm, said simulation testing including:
 - utilizing an instrumentation entity to detect instrumentation events; and
 - delivering signals from the instrumentation entity to an instrumentation logic block indicating detected occurrences of the instrumentation events during simulation of said circuit design;
 - assembling an instrumentation event disable list within said instrumentation server, wherein said instrumentation event disable list lists instrumentation events to be disabled within said HDL ~~[[simulation]]~~ model; and
 - prior to simulating said HDL model within said simulation client:
 - retrieving said instrumentation event disable list from said instrumentation server; and
 - disabling monitoring of instrumentation events specified by said instrumentation event disable list.
2. (~~[[Original]]~~ **Currently Amended**) The method of claim 1, wherein said assembling an instrumentation event disable list comprises:
 - identifying an instrumentation event to be disabled during simulation processing of said ~~[[simulation]]~~ HDL model; and

Application/Control Number: 09/997,768

Page 4

Art Unit: 2128

delivering to said instrumentation server an instrumentation event name corresponding to said instrumentation event, to be added within said instrumentation event disable list.

3. (~~Original~~) Currently Amended) The method of claim 2, further comprising, in response to receiving said delivered instrumentation event name at said instrumentation server, adding said instrumentation event name to a master disable file within said instrumentation server, wherein said master disable file contains a list of instrumentation events to be disabled for said ~~simulation~~ HDL model.
4. (~~Original~~) Currently Amended) The method of claim 1, wherein said simulation client includes a model simulator and a run time executive program for controlling simulation processing of said ~~simulation~~ HDL model within said model simulator, said retrieving said instrumentation event disable list comprising:
 - issuing a request from said run time executive program to an application program interface (API) entry point within said model simulator to retrieve said instrumentation event disable list;
 - responsive to said request to retrieve said instrumentation event disable list, attempting to access said instrumentation server; and
 - responsive to a successful access to said instrumentation server, delivering said master disable file to said simulation client.
5. (Original) The method of claim 4, wherein an alternate copy of said instrumentation event disable list is stored within a shared file system, said method further comprising, in response to an unsuccessful access attempt to instrumentation server, attempting to access said shared file system.
6. (Original) The method of claim 5, wherein said alternate copy is periodically updated from said master disable file.
7. (Currently Amended) A system for disabling monitoring of an instrumentation event in a hardware description language (HDL) model of a circuit design within a batch simulation farm, said batch simulation farm including an instrumentation server communicatively coupled to ~~the~~ a simulation client, said system comprising:
 - [a] said simulation client within said simulation batch farm for simulation testing the HDL model;
 - an instrumentation entity that detects instrumentation events during said simulation testing and delivers signals from the instrumentation entity to an instrumentation logic block indicating detected occurrences of the instrumentation events during simulation of said circuit design;
 - processing means for assembling an instrumentation event disable list within said instrumentation server, wherein said instrumentation event disable list lists instrumentation events to be disabled within said HDL simulation model; and processing means responsive to simulating said HDL model within said simulation client for:

Application/Control Number: 09/997,768

Page 5

Art Unit: 2128

retrieving said instrumentation event disable list from said instrumentation server; and disabling monitoring of instrumentation events specified by said instrumentation event disable list.

8. **([Original]) Currently Amended** The system of claim 7, wherein said processing means for assembling an instrumentation event disable list comprises:
processing means for identifying an instrumentation event to be disabled during simulation processing of said **[[simulation]] HDL** model; and
processing means for delivering to said instrumentation server an instrumentation event name corresponding to said instrumentation event, **to be added** within said instrumentation event disable list.
9. **([Original]) Currently Amended** The system of claim 8, further comprising, processing means responsive to receiving said delivered instrumentation event name at said instrumentation server for adding said instrumentation event name to a master disable file within said instrumentation server, wherein said master disable file contains a list of instrumentation events to be disabled for said **[[simulation]] HDL** model.
10. **([Original]) Currently Amended** The system of claim 7, wherein said simulation client includes a model simulator and a run time executive program for controlling simulation processing of said **[[simulation]] HDL** model within said model simulator, said processing means for retrieving said instrumentation event disable list comprising:
processing means for issuing a request from said run time executive program to an application program interface (API) entry point within said **model** simulator to retrieve said instrumentation event disable list;
processing means responsive to said request to retrieve said instrumentation event disable list, attempting to access said instrumentation server; and
processing means responsive to a successful access to said instrumentation server, delivering said master disable file to said simulation client.
11. (Original) The system of claim 10, wherein as alternate copy of said instrumentation event disable list is stored within a shared file system, said system further comprising, processing means responsive to an unsuccessful access attempt to instrumentation server for attempting to access said shared file system..
12. (Original) The system of claim 11, wherein said alternate copy is periodically updated from said master disable file.
13. **(Currently Amended) A computer program product tangibly embodied in a computer-readable storage device** **[[In]] on a data processing system, [[a computer-readable medium having encoding thereon]] having** computer-executable instructions for disabling monitoring of an instrumentation

Application/Control Number: 09/997,768
Art Unit: 2128

Page 6

event in a hardware description language (HDL) model of a circuit design within a batch simulation farm, said batch simulation farm including an instrumentation server communicatively coupled to **[[the]] a simulation client, said [[computer executable instructions]] computer program product, which when executed performs** **[[performing]]** a method comprising:

simulation testing the HDL model using **[[a]] said simulation client** within said simulation batch farm, said simulation testing including:
utilizing an instrumentation entity to detect instrumentation events; and
delivering signals from the instrumentation entity to an instrumentation logic block indicating detected occurrences of the instrumentation events during simulation of said circuit design;
assembling an instrumentation event disable list within said instrumentation server, wherein said instrumentation event disable list lists instrumentation events to be disabled within said HDL **[[simulation]]** model; and
prior to simulating said HDL model within said simulation client:
retrieving said instrumentation event disable list from said instrumentation server; and
disabling monitoring of instrumentation events specified by said instrumentation event disable list.

14. **(Currently Amended)** The computer program product of claim 13, wherein said **computer-executable instructions **[[program instruction means]]**** for assembling an instrumentation event disable list comprises:
[[program instruction means for]] identifying an instrumentation event to be disabled during simulation processing of said simulation model; and
[[program instruction means for]] delivering to said instrumentation server an instrumentation event name corresponding to said instrumentation event within said instrumentation event disable list.
15. **(Currently Amended)** The computer program product of claim 14, further comprising, said **[[program instruction means responsive to]] computer-executable instructions** for receiving said delivered instrumentation event name at said instrumentation server for adding said instrumentation event name to a master disable file within said instrumentation server, wherein said master disable file contains a list of instrumentation events to be disabled for said simulation model.
16. **(Currently Amended)** The computer program product of claim 13, wherein said simulation client includes a model simulator and a run time executive program for controlling simulation processing of said simulation model within said model simulator, said **[[program instruction means]] computer-executable instructions** for retrieving said instrumentation event disable list comprising:

Application/Control Number: 09/997,768
Art Unit: 2128

Page 7

[[program instruction means for]] issuing a request from said run time executive program to an application program interface (API) entry point within said simulator to retrieve said instrumentation event disable list;
[[program instruction means]] responsive to said request to retrieve said instrumentation event disable list for attempting to access said instrumentation server; and **[[program instruction means]]** responsive to a successful access to said instrumentation server for delivering said master disable file to said simulation client.

17. (Original) The computer program product of claim 16, wherein an alternate copy of said instrumentation event disable list is stored within a shared file system, said computer program product further comprising, program instruction means responsive to an unsuccessful access attempt to instrumentation server for attempting to access said shared file system.
18. (Original) The computer program product of claim 17, wherein said alternate copy is periodically updated from said master disable file.
19. (**Currently Amended**) A **computer implemented** method for disabling monitoring of an instrumentation event in a hardware description language (HDL) model of a circuit design within a batch simulation farm, said batch simulation farm including an instrumentation server communicatively coupled to **[[the]]** a simulation client, said method comprising:
 - simulation testing the HDL model using a simulation client within said simulation batch farm, said simulation testing including:
 - utilizing an instrumentation entity to detect instrumentation events; and
 - delivering signals from the instrumentation entity to an instrumentation logic block indicating detected occurrences of the instrumentation events during simulation of said circuit design;
 - maintaining, within said instrumentation server, an event disable list for each active HDL model within said simulation batch farm;
 - including within each event disable list, a list of instrumentation events to be disabled for a corresponding HDL model; and
 - prior to simulating said HDL model within said simulation client:
 - retrieving an event disable list corresponding to said HDL model from said instrumentation server; and
 - disabling monitoring of instrumentation events specified by said event disable list.
20. (Previously Presented) The method of claim 19, wherein said disabling comprises setting, within said instrumentation logic block, event mask registers corresponding to instrumentation events included in said event disable list.

Application/Control Number: 09/997,768
Art Unit: 2128

Page 8

21. (Previously Presented) The method of claim 24, wherein said simulation client includes a model simulator and a run time executive program for controlling simulation processing of said simulation model within said model simulator, wherein said setting event mask registers is performed using an application program interface entry point within said model simulator.